

Developing Critical Thinking Skills with Promethean

Marzano's 5 Dimensions of Learning		How Promethean Can Help
1	Positive Attitudes & Perceptions about Learning <ul style="list-style-type: none"> Positive classroom climate Feeling accepted 	<ul style="list-style-type: none"> Activotes and Activexpressions allow all students to express their opinions in a comfortable environment. Even shy or quiet students feel safe expressing their ideas.
2	Acquisition and Integration of Knowledge <ul style="list-style-type: none"> Remembering facts and concepts Developing skills and processes Organizing new concepts and storing them into long-term memory 	<ul style="list-style-type: none"> Students have an easier time remembering key concepts since they are more engaged in the lesson. Activstudio software incorporates text, graphics, sound, and movement to make concepts easier to understand. Students with different learning styles benefit from this interactive environment.
3	Extension and Refinement of Knowledge <ul style="list-style-type: none"> Comparing Classifying Drawing conclusions Analyzing errors Building an argument Applying knowledge to new situations Analyzing perspectives 	<ul style="list-style-type: none"> Flipchart pages in the Resource Library include graphic organizers to help students compare and classify information. Add photographs to the Resource Library for students to analyze. Incorporate photographs from the real-world to see how concepts learned in the classroom can be applied in life.
4	Meaningful Use of Knowledge <ul style="list-style-type: none"> Decision Making Investigation Experimental Inquiry Problem Solving Systems Analysis 	<ul style="list-style-type: none"> Record students' hypotheses, conclusions, or results from experiments into flipchart pages. Refer back to these pages and allow students to adjust their ideas as they gain more understanding. Challenge students to play online games and simulations that require investigation or decision making. Use the Camera Tool in Activstudio to record the students' work and ideas.
5	Productive Habits of Mind <ul style="list-style-type: none"> Developing learning habits <ul style="list-style-type: none"> Meta-cognition Critical and creative thinking 	<ul style="list-style-type: none"> Allow students to design their own flipchart pages to teach a concept. Record students' ideas and questions at the beginning of a unit. Allow students to refer back to those flipchart pages to see how their understanding has deepened or changed.